


```

      AAAAAA      NN      NN      AAAAAA      LL      YY      YY      ZZZZZZZZZZ      EEEEEEEEEEE
      AAAAAA      NN      NN      AAAAAA      LL      YY      YY      ZZZZZZZZZZ      EEEEEEEEEEE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NNNN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NNNN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AAAAA      NN      NNNN      AAAAA      LL      YY      YY      ZZ      EE
AAAAA      NN      NNNN      AAAAA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE

```

```

      CCCCCCCC      LL      DDDDDDDDD
      CCCCCCCC      LL      DDDDDDDDD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CCCCCCCC      LLLLLLLLLLL      DDDDDDDDD
CCCCCCCC      LLLLLLLLLLL      DDDDDDDDD

```

Version: 'V04-000'

V03-022 DGB0066 Donald G. Blair 03-Jul-1984
Allow negation of all qualifiers for ANALYZE/IMAGE and
ANALYZE/OBJECT and ANALYZE/RMS_FILE

V03-021 EAD0147 Elliott A. Drayton 12-Apr-1984
Change file default for ANALYZE/ERROR_LOG.

V03-020 SAR0244 Sharon A. Reynolds 4-Apr-1984
Removed the negatable clause from /sid_selection
for ANALYZE/ERROR_LOG.

V03-019 EAD0121 Elliott A. Drayton 24-Mar-1984
Removed qualifier UNKNOWN.

V03-018 EAD0106 Elliott A. Drayton 28-Feb-1984
Added LIST keyword for parameter(list of input file names)

V03-017 WMC0007 Wayne Cardoza 27-Feb-1984
Remove checkpoint and journaling related stuff.

V03-016 JMG0011 Joel M. Gringorten 6-Feb-1984
Added STATISTICS qualifier for ANALYZE/SUMMARY.

V03-015 SAR0185 Sharon A. Reynolds 17-Jan-1984
Added HISTOGRAM keyword for ANALYZE/ERROR/SUMMARY.

V03-014 SAR0123 Sharon A. Reynolds 23-Aug-1983
Added a file spec value for the /binary qualifier
for ANALYZE/ERROR_LOG.

V03-013 LJA0084 Laurie J. Anderson 25-Jul-1983
Fix CLD defaults for ANALYZE/AUDIT

V03-012 WMC0006 Wayne Cardoza 24-Jul-1983
Add ANALYZE/PROC/OUTPUT.

V03-011 LJA0076 Laurie J. Anderson 21-Jun-1983
Add support for new ANALYZE/AUDIT utility

V03-010 SAR0019 Sharon A. Reynolds, 27-Apr-1983
Added keyword support for /summary. Removed the negatable
clause for /brief, /register_dump, and /unknown qualifiers.
(analyze/error).

V03-009 WMC0005 Wayne Cardoza 20-Apr-1983
Add ANALYZE/PROCESS DUMP
THIS AND THE TWO PRECEDING UPDATES WERE ACCIDENTALLY DELETED
SOMEHOW.

V03-008 PCA1012 Paul C. Anagnostopoulos 14-Apr-1983
Allow /NOOUTPUT on the ANALYZE/RMS command.

V03-007 WMC0004 Wayne Cardoza 04-Apr-1983

More /CHECKPOINT qualifiers.

V03-006 PCA0070 Paul C. Anagnostopoulos 31-Mar-1983
Remove the PROMPT clauses from the qualifiers added in
EAD0070.

V03-005 EAD0070 Elliott A. Drayton 29-Mar-1983
Add support for ana/error.

V03-004 WMC0003 Wayne Cardoza 25-Mar-1983
Add /OUTPUT for checkpoint

V03-003 WMC0002 Wayne Cardoza 10-Feb-1983
New checkpoint qualifiers

V03-002 MTR0001 Mike Rhodes 3-Jan-1983
Add list to PATTERN keyword (ANALYZE/MEDIA/EXERCISE).

V03-001 WMC0001 Wayne Cardoza 28-Dec-1982
Add /CHECKPOINT qualifiers

```
define syntax analyze_crash_dump
  image sda
  parameter p1,label=dump_file,prompt='Dump File',value(required,type=$infile)
  qualifier CRASH_DUMP,default
  qualifier SYSTEM
  qualifier SYMBOLS,value(required,type=$infile)
```

```
define syntax analyze_disk_structure
  image verify
  parameter p1,label=device,prompt='Device',value(required,type=$device)
  qualifier CONFIRM
  qualifier DISK_STRUCTURE,default
  qualifier LIST,value(type=$outfile)
  qualifier READ_CHECK
  qualifier REPAIR
  qualifier USAGE,value(type=$outfile)
```

```
define type SUMMARY_TYPE_KEYWORDS
  keyword DEVICE
  keyword ENTRY
  keyword HISTOGRAM
  keyword MEMORY
  keyword VOLUME
```

```
define type ENTRY_KEYWORDS
  keyword END,value(type=$number)
  keyword START,value(type=$number)
```

```
define syntax analyze_error_log
  image SYS$SYSTEM:ERF.EXE
  parameter P1,label=file_specs,
    value(list,type=$infile,default='SYS$ERRORLOG:ERRLOG.SYS')
  qualifier BEFORE,value(type=$datetime),nonnegatable
  qualifier BINARY,value(type=$outfile)
  qualifier BRIEF,nonnegatable
```

```

qualifier ENTRY,          value(required,
                           type=ENTRY_KEYWORDS,list),
                           nonnegatable
qualifier EXCLUDE,        value(required,list),
                           nonnegatable
qualifier FULL,           negatable
qualifier INCLUDE,        value(required,list),
                           nonnegatable
qualifier LOG,            negatable
qualifier OUTPUT,         default,value(default=SYSS$OUTPUT),
                           nonnegatable
qualifier PAGE,           negatable
qualifier REJECTED,       value(type=$outfile)
qualifier REGISTER_DUMP,  nonnegatable
qualifier SID_REGISTER,   value(required,
                           type=$number),nonnegatable
qualifier SINCE,          value(default=today,type=$datetime),
                           nonnegatable
qualifier STATISTICS,     nonnegatable
qualifier SUMMARY,        value(type=SUMMARY_TYPE_KEYWORDS,list),
                           nonnegatable

define syntax analyze_image
image analyzeobj
parameter p1,label=file_specs,prompt='File(s)',value(required,list,type=$infile)
qualifier FIXUP_SECTION,placement=positional
qualifier GST,placement=positional
qualifier HEADER,placement=positional
qualifier OUTPUT,default,value(default='SYSS$OUTPUT',type=$outfile)
qualifier IMAGE,default
qualifier INTERACTIVE
qualifier PATCH_TEXT,placement=positional

define syntax analyze_rms_file
image analyzrms
parameter p1,label=file_specs,prompt='File(s)',value(required,list,type=$infile)
qualifier CHECK
qualifier FDL
qualifier INTERACTIVE
qualifier STATISTICS
qualifier SUMMARY
qualifier OUTPUT,default,value(type=$outfile)

define syntax analyze_system
image sda
noparameters

! Keyword definitions for ANALYZE/MEDIA
define type exer_keywords
keyword FULL
keyword KEEP, negatable
keyword PATTERN, value (list)

define type show_keywords

```

keyword BEFORE, negatable
keyword AFTER, negatable

```
define syntax analyze_media
  image analyzbad
  parameter p1, label=device, prompt='Device', value (required, type=$device)

  qualifier BAD BLOCKS, nonnegatable, value (list)
  qualifier EXERCISE, value (list, type=exer_keywords)
  qualifier LOG
  qualifier OUTPUT, value (default='SYS$OUTPUT', type=$outfile)
  qualifier RETRY
  qualifier SHOW, nonnegatable, value (list, type=show_keywords)
```

```
! **JNL** define syntax analyze_checkpoint
! **JNL**   image chkana[
! **JNL**   parameter p1, prompt='File', value(required, type=$infile), label=chkpnt
! **JNL**   qualifier full
! **JNL**   qualifier quota
! **JNL**   qualifier interactive
! **JNL**   qualifier database
! **JNL**   qualifier output, value(default='SYS$OUTPUT', type=$outfile)
! **JNL**   qualifier record, value(required)
! **JNL**   qualifier create, value(type=$outfile)
```

```
define syntax analyze_process_dump
  image analmdmp
  parameter p1, prompt='File', value(required, type=$infile)
  qualifier image, value(type=$outfile)
  qualifier noimage
  qualifier interactive
  qualifier full
  qualifier miscellaneous
  qualifier relocation
  qualifier output, value(default='SYS$OUTPUT', type=$outfile)
```

Keyword definitions for ANALYZE/AUDIT

```
! **JNL** define type FILE_ACCESS_KEYWORDS
! **JNL**   keyword BYPASS, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword FAILURE, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword GRPPRV, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword READALL, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword SUCCESS, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword SYSPRV, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword RECORD_MANAGEMENT, value( list, type=RMS_SERVICES )
```

```
! **JNL** define type ACCESS_TYPE_KEYWORDS
! **JNL**   keyword READ
! **JNL**   keyword WRITE
! **JNL**   keyword EXECUTE
! **JNL**   keyword DELETE
! **JNL**   keyword OWNER
```

```
! **JNL** define type RMS_SERVICES
! **JNL**   keyword CLOSE
```



```

**JNL**      keyword CREATE
**JNL**      keyword DELETE
**JNL**      keyword EXTEND
**JNL**      keyword FIND
**JNL**      keyword GET
**JNL**      keyword OPEN
**JNL**      keyword PUT
**JNL**      keyword READ
**JNL**      keyword TRUNCATE
**JNL**      keyword UPDATE
**JNL**      keyword WRITE

**JNL** define type LOGIN_KEYWORDS
**JNL**      keyword BATCH
**JNL**      keyword DIALUP
**JNL**      keyword FAILURES
**JNL**      keyword LOCAL
**JNL**      keyword NETWORK
**JNL**      keyword PROCESS

**JNL** define type LOGOUT_KEYWORDS
**JNL**      keyword BATCH
**JNL**      keyword DIALUP
**JNL**      keyword LOCAL
**JNL**      keyword NETWORK
**JNL**      keyword PROCESS

**JNL** define type JOURNAL_TYPE_KEYWORDS
**JNL**      keyword AT          default
**JNL**      keyword AI
**JNL**      keyword BI
**JNL**      keyword RU

**JNL** define syntax analyze_audit
**JNL**      image audit
**JNL**      parameter p1,label=file_spec,value(list,type=$infile)
**JNL**      qualifier ACL
**JNL**      qualifier AUTHORIZATION
**JNL**      qualifier BACKWARD,      nonnegatable
**JNL**      qualifier BEFORE,        nonnegatable,value(default=TODAY,type=$datetime)
**JNL**      qualifier FILE_ACCESS,   value(type=FILE_ACCESS_KEYWORDS,(list)
**JNL**      qualifier FORWARD,      nonnegatable,default
**JNL**      qualifier FULL
**JNL**      qualifier IDENTIFICATION, value(list,type=$number,required)
**JNL**      qualifier JOURNAL,       nonnegatable,value(list,type=$infile)
**JNL**      qualifier LOGIN,        value(list,type=LOGIN_KEYWORDS)
**JNL**      qualifier LOGOUT,       value(list,type=LOGOUT_KEYWORDS)
**JNL**      qualifier MAILBOX_IO,   value(list,type=$device)
**JNL**      qualifier MOUNT
**JNL**      qualifier OUTPUT        nonnegatable,value(type=$outfile,default=sys$output:),default
**JNL**      qualifier SETPRV
**JNL**      qualifier SINCE,         nonnegatable,value(default=TODAY,type=$datetime)
**JNL**      qualifier TERMINAL_IO,  value(list,type=$device)
**JNL**      qualifier TYPE,         value(required,type=JOURNAL_TYPE_KEYWORDS)
**JNL**      qualifier UIC,          value(list,type=$uic)

```

! **JNL** disallow (BACKWARD and FORWARD)

ANALYZE

define verb ANALYZE

image analyzobj

parameter p1,label=file_specs,prompt='File(s)',value(required,list,type=\$infile)

! **JNL** qualifier AUDIT,nonnegatable,syntax=analyze_audit
 qualifier CRASH_DUMP,nonnegatable,syntax=analyze_crash_dump
 qualifier DISK_STRUCTURE,nonnegatable,syntax=analyze_disk_structure
 qualifier ERROR_LOG,nonnegatable,syntax=analyze_error_log
 qualifier IMAGE,nonnegatable,syntax=analyze_image
 qualifier MEDIA,nonnegatable,syntax=analyze_media
 qualifier OBJECT,default,nonnegatable
 qualifier RMS_FILE,nonnegatable,syntax=analyze_rms_file
 qualifier SYSTEM,nonnegatable,syntax=analyze_system
! **JNL** qualifier CHECKPOINT,nonnegatable,syntax=analyze_checkpoint
 qualifier PROCESS_DUMP,nonnegatable,syntax=analyze_process_dump

 qualifier DBG,placement=positional
 qualifier EOM,placement=positional
 qualifier GSD,placement=positional
 qualifier INCLUDE,placement=local,value(default='',list)
 qualifier INTERACTIVE
 qualifier LNK,placement=positional
 qualifier MHD,placement=positional
 qualifier OUTPUT,default,value(default='SYS\$OUTPUT',type=\$outfile)
 qualifier TBT,placement=positional
 qualifier TIR,placement=positional

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